

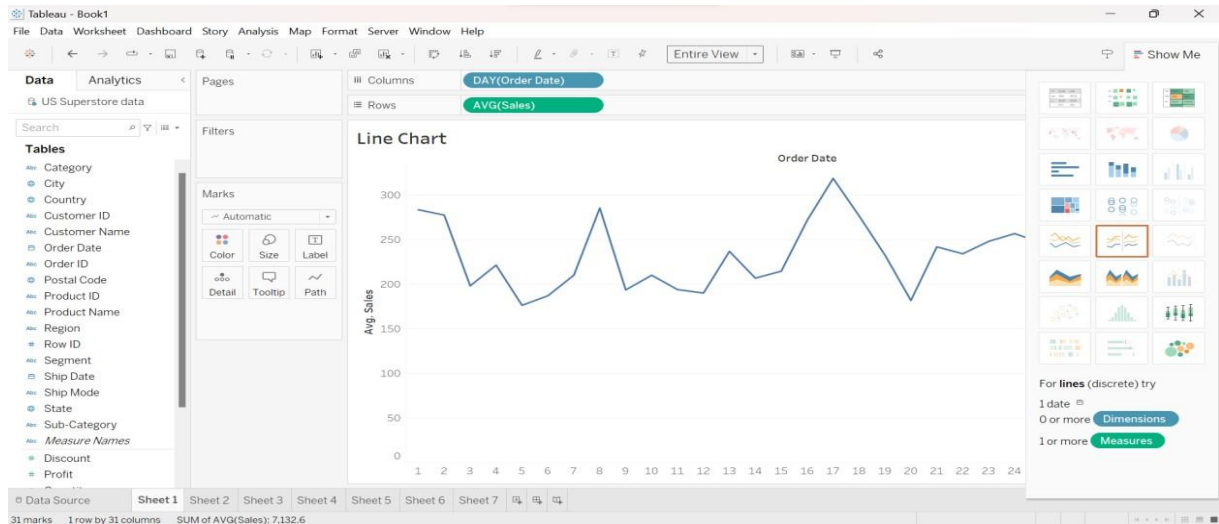
A

SSIGNMENT – 2

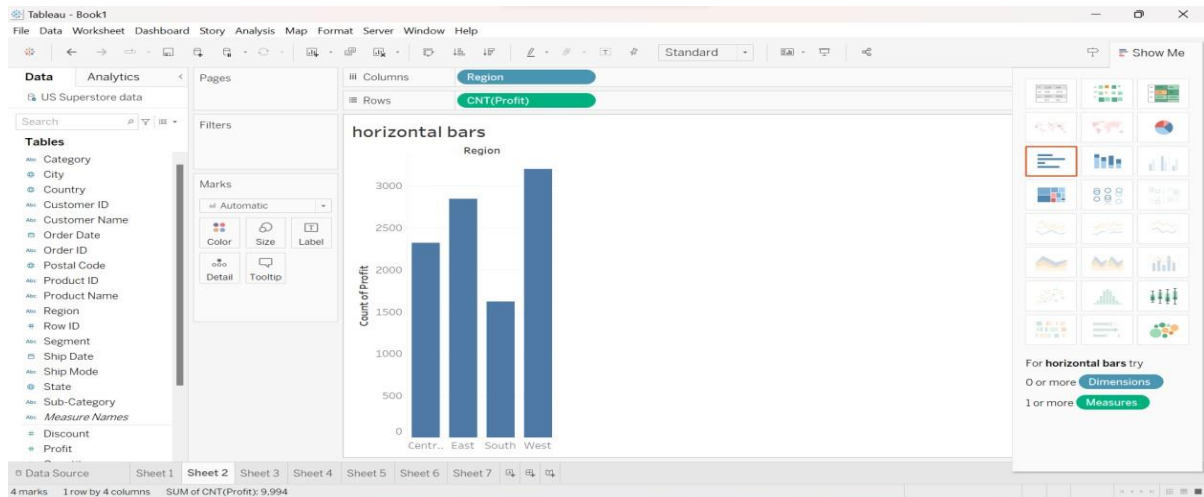
1) Create any 7 data visualizations/charts and perform the following.

Screenshots: -

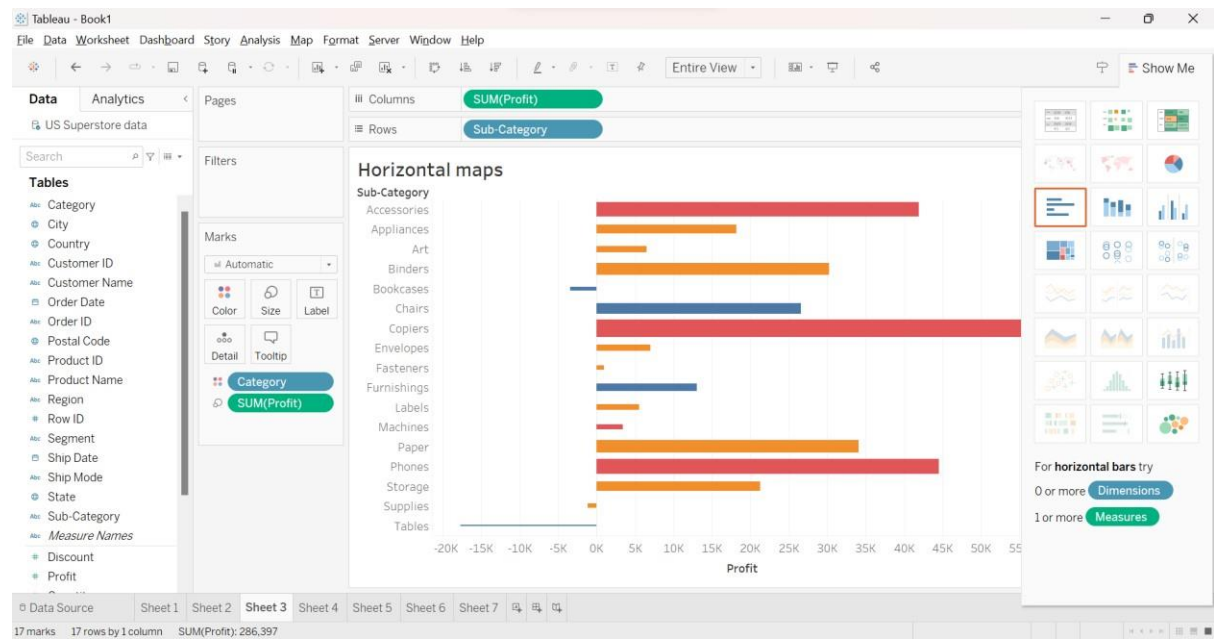
Line chart: -



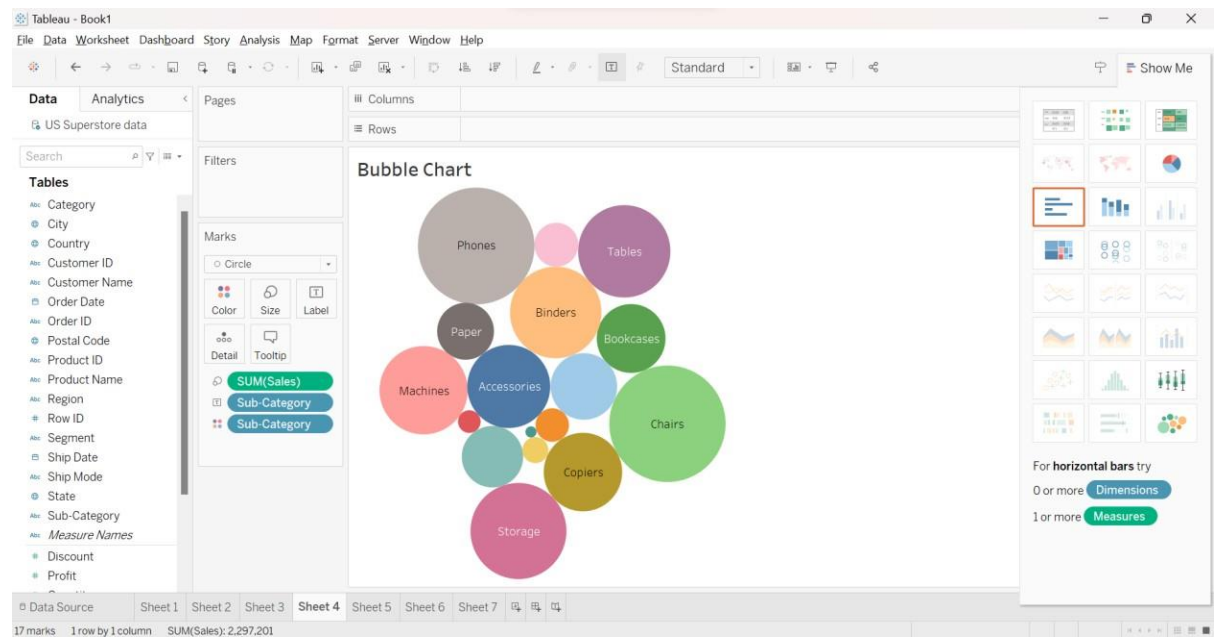
bar chart: -



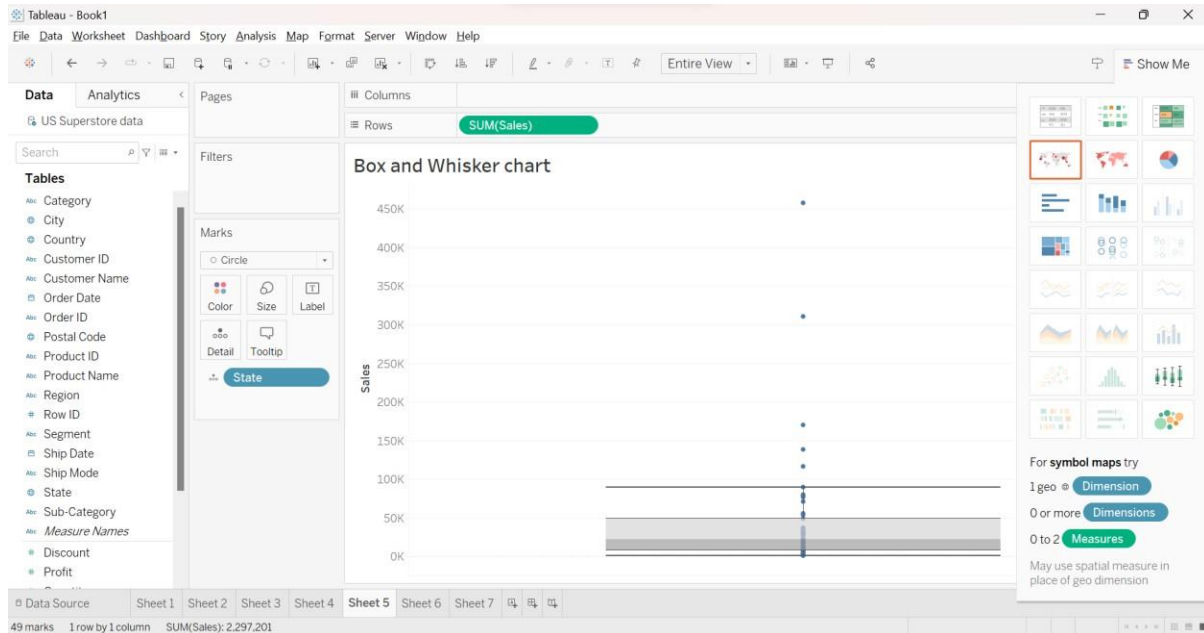
Horizontal map: -



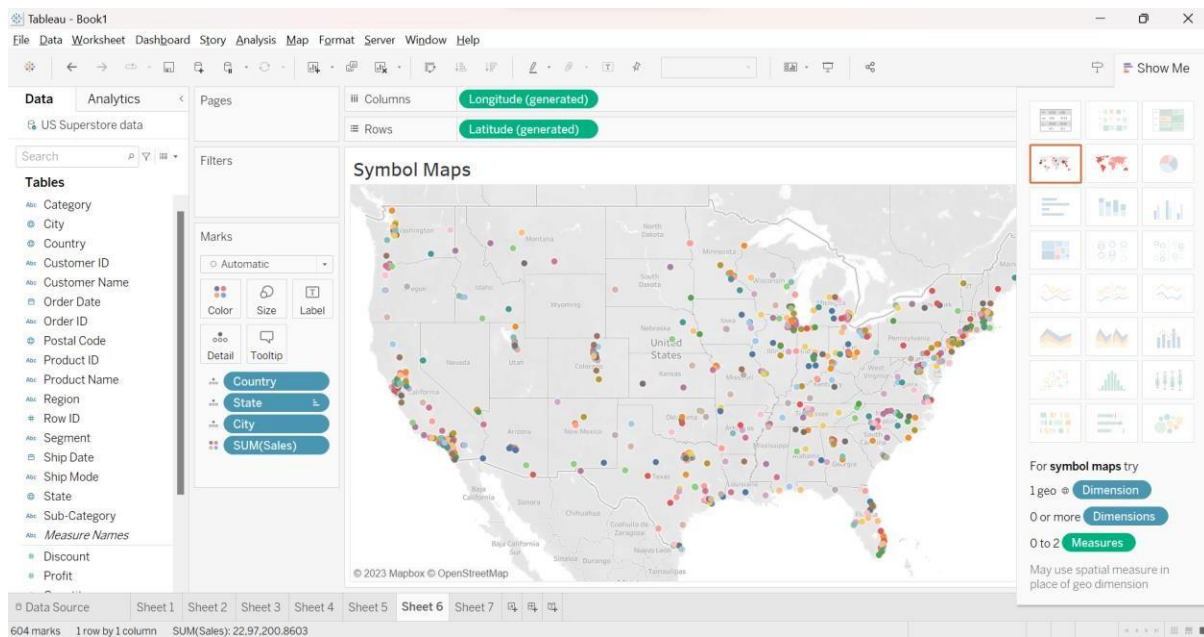
Bubble chart; -



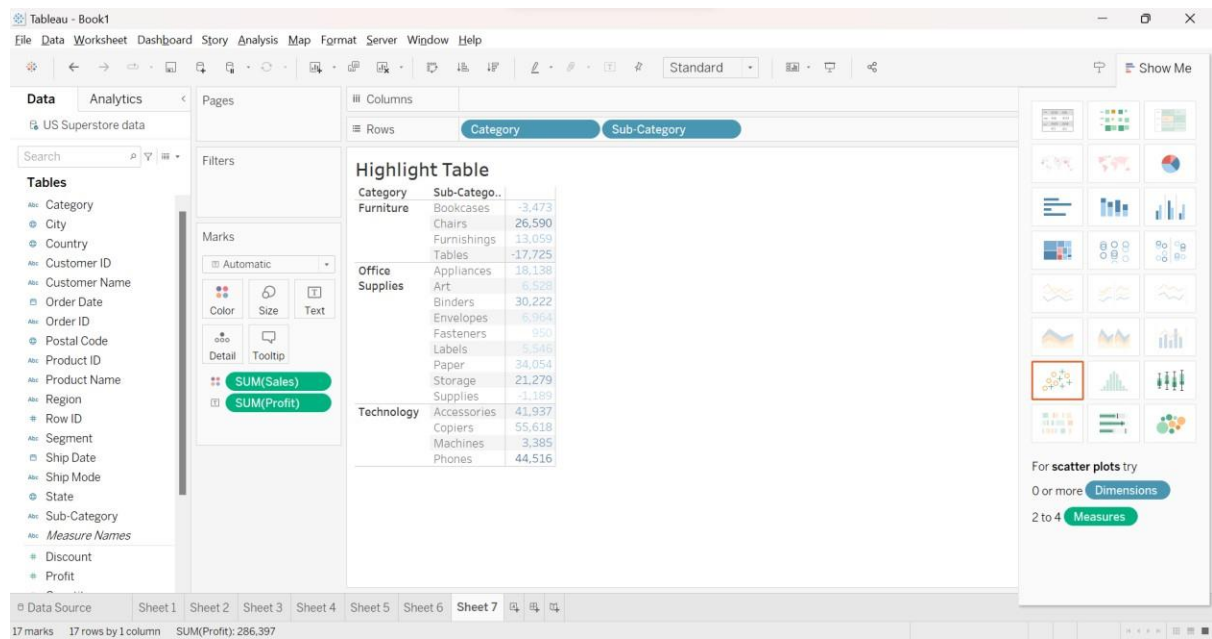
Box and whisker: -



Symbol maps: -



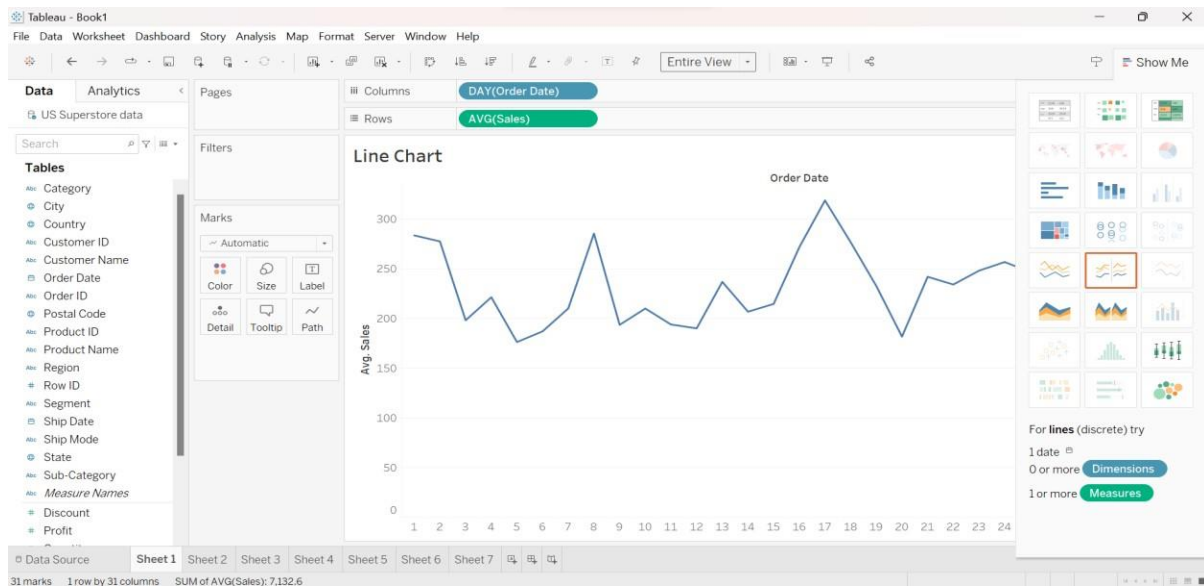
Highlight Table: -



2) Apply dimension filter, context and measure filter on any of the three

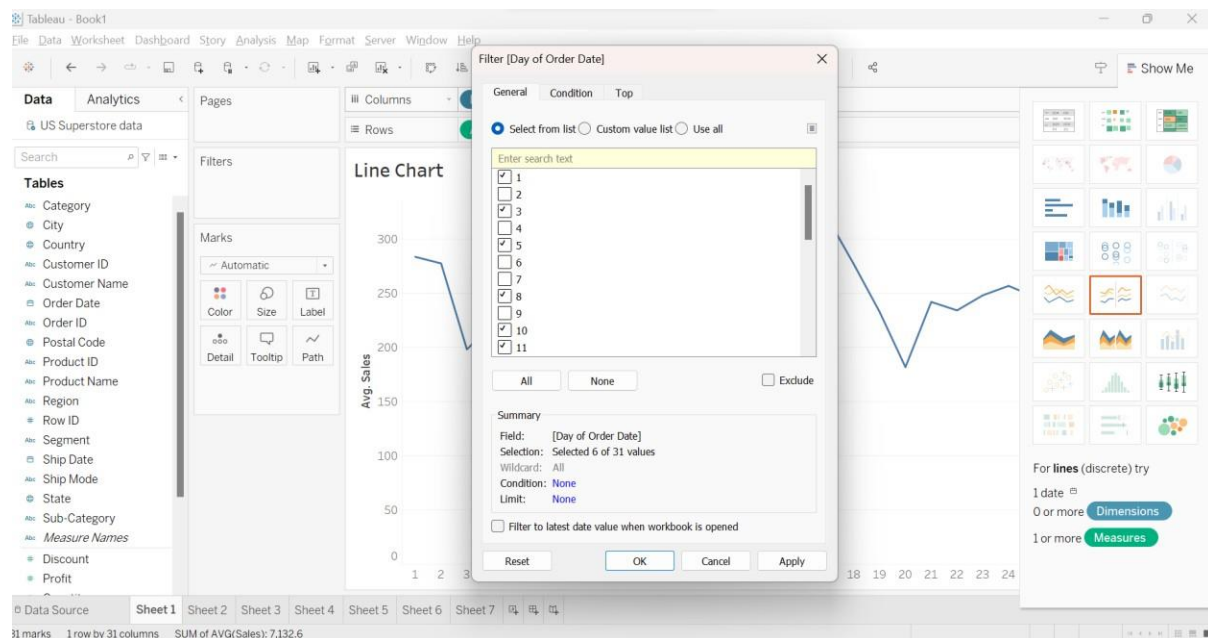
Visualizations

- i) First visualization: -
Before filter: -

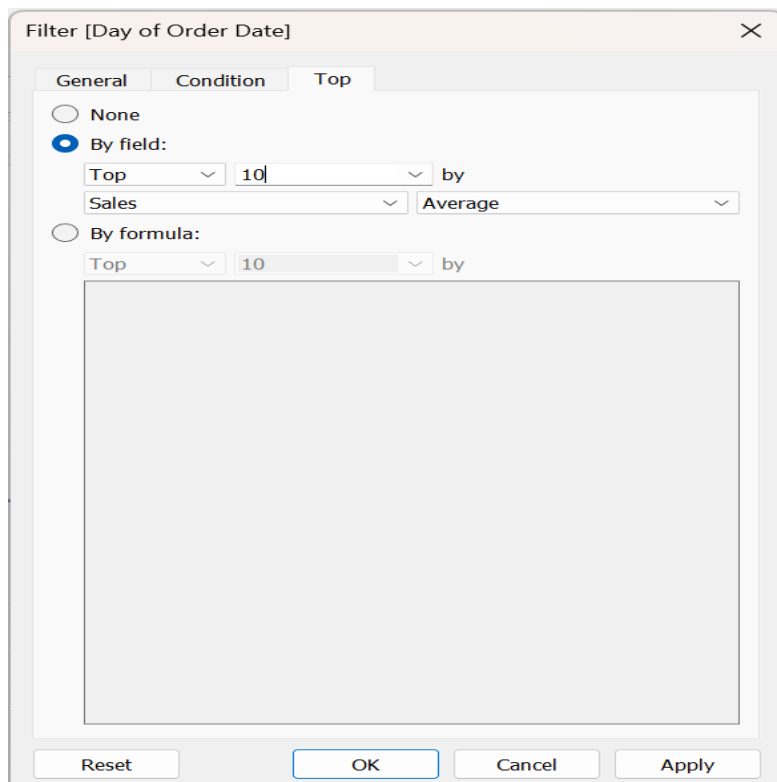


Filter: -

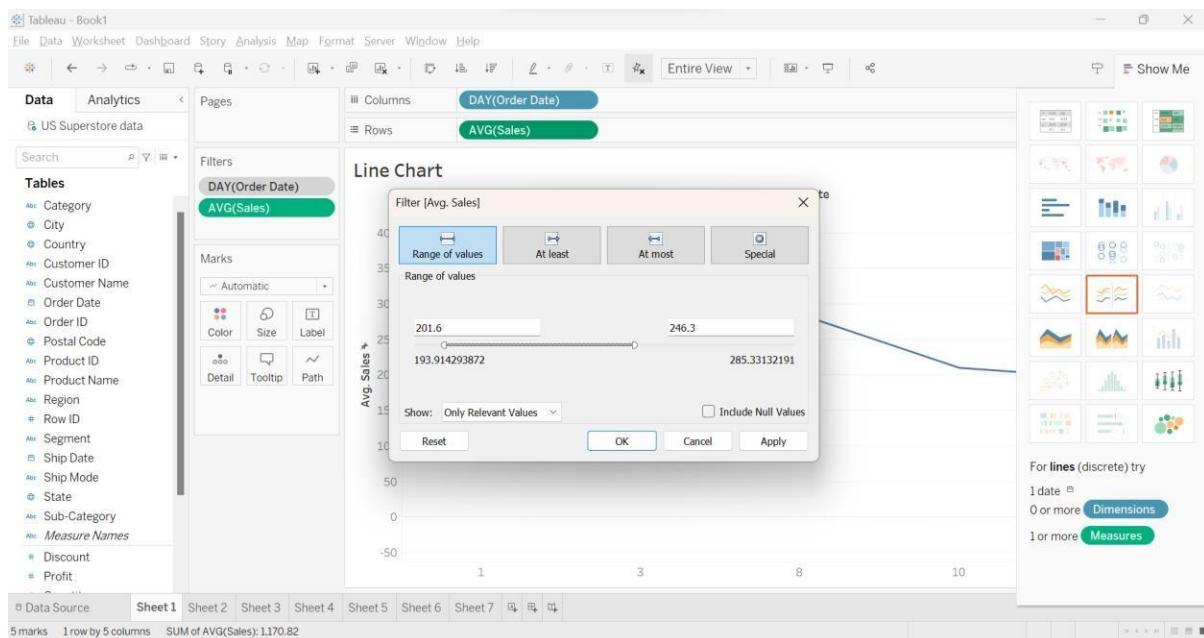
Dimension filter: -



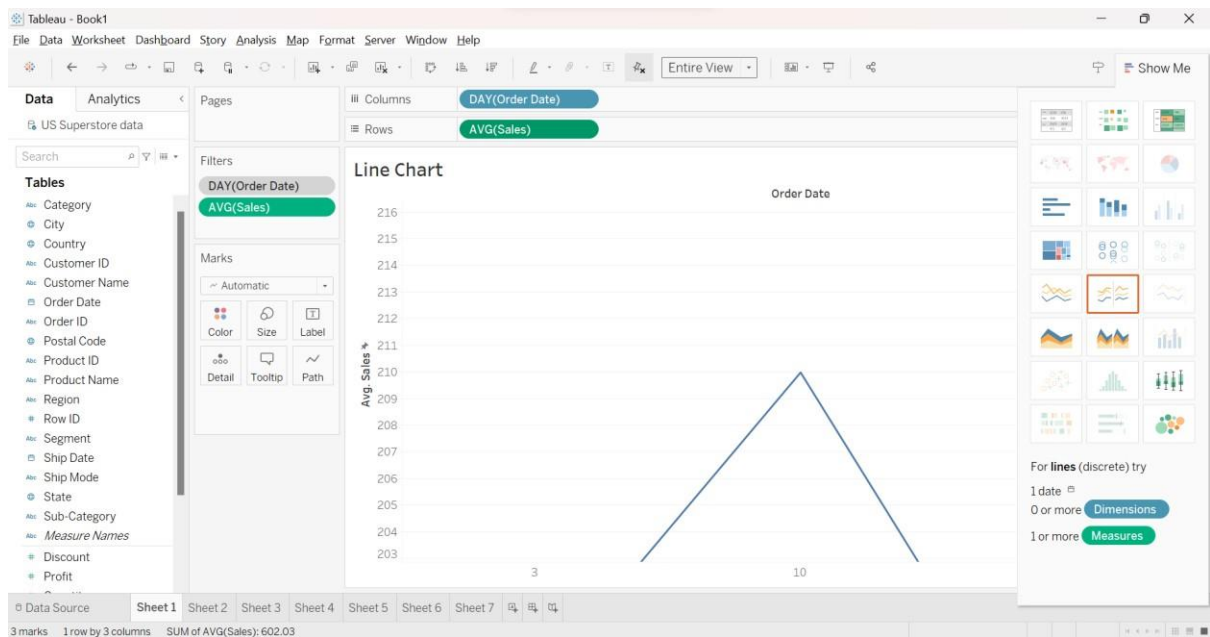
Context filter: -



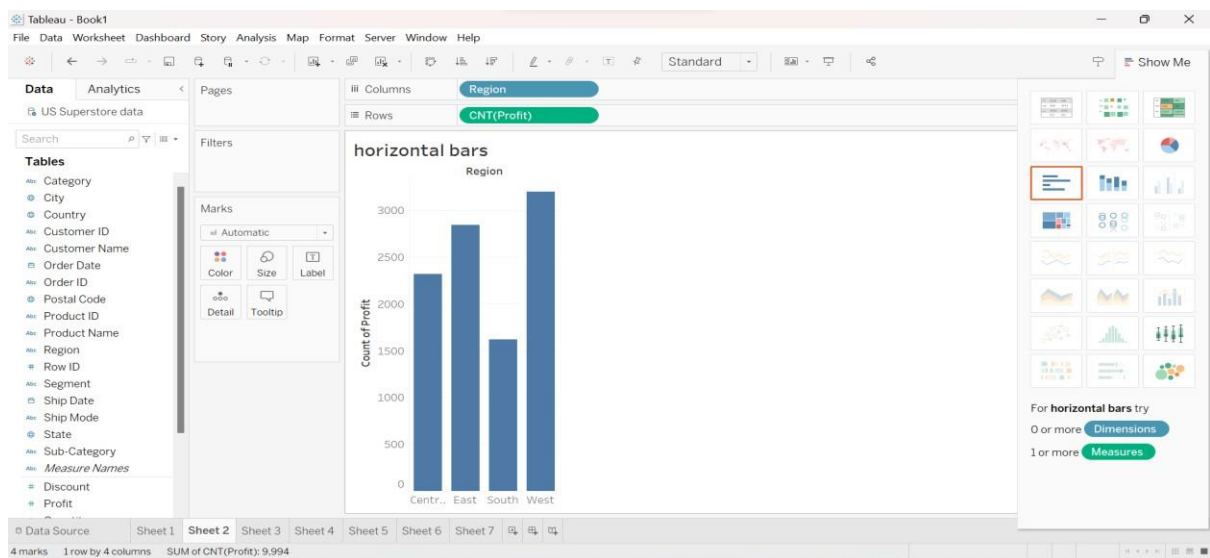
Measure filter: -



After filter: -

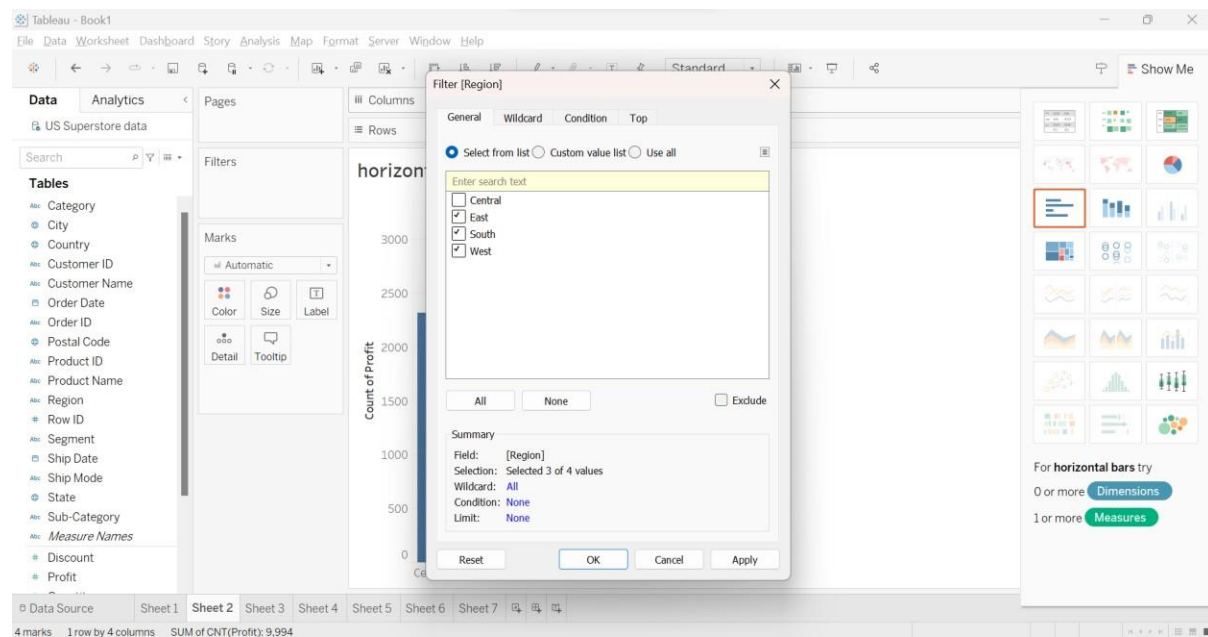


ii) Second visualization: -
Before filter; -

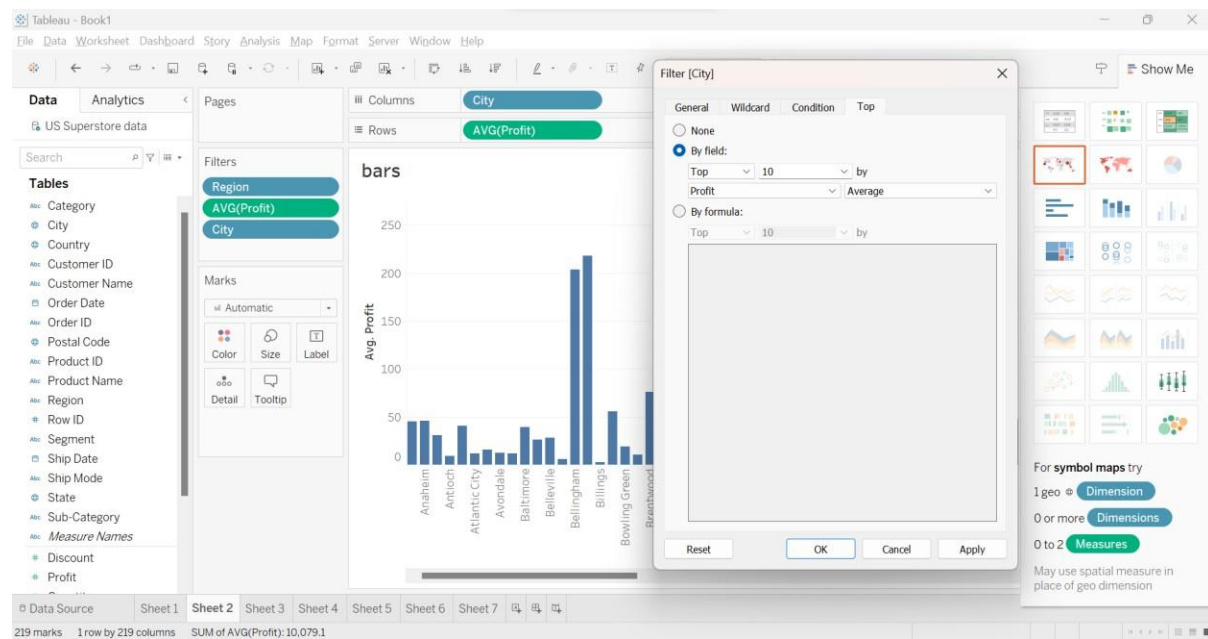


Filter: -

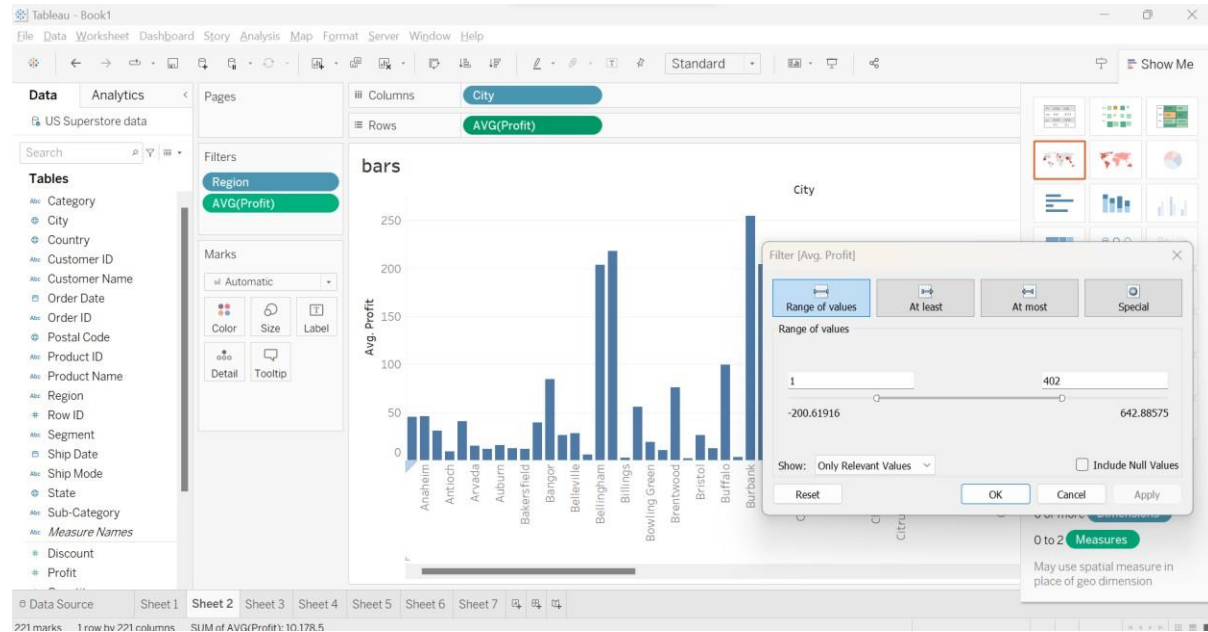
Dimension filter: -



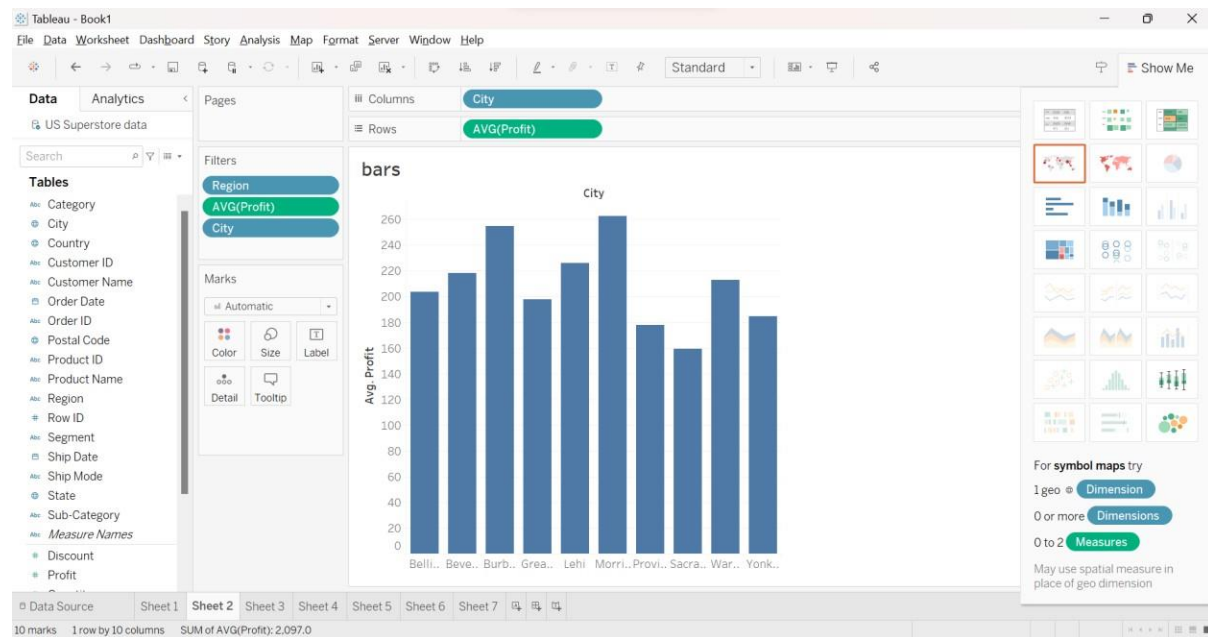
Context filter: -



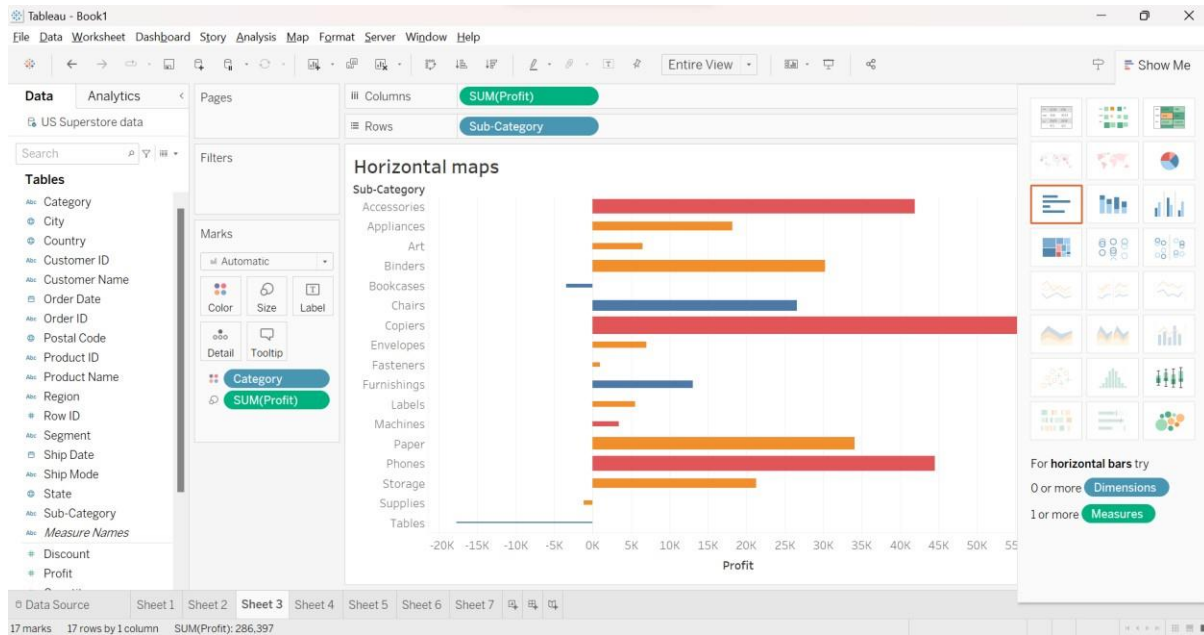
Measure filter: -



After filter: -

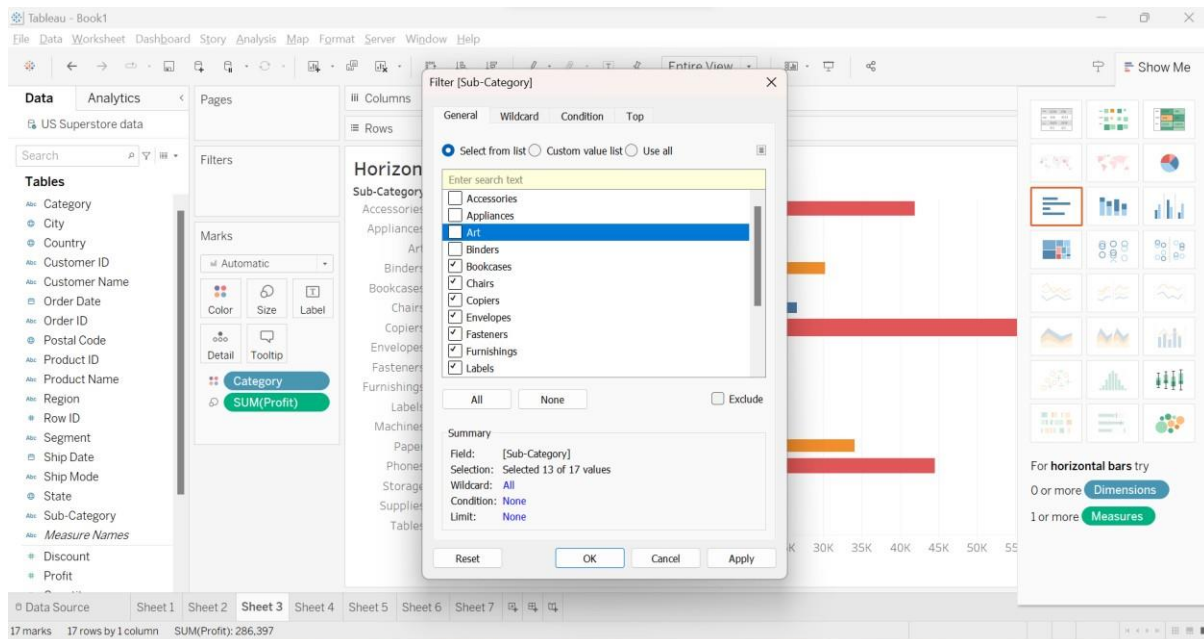


iii) Third visualization: -

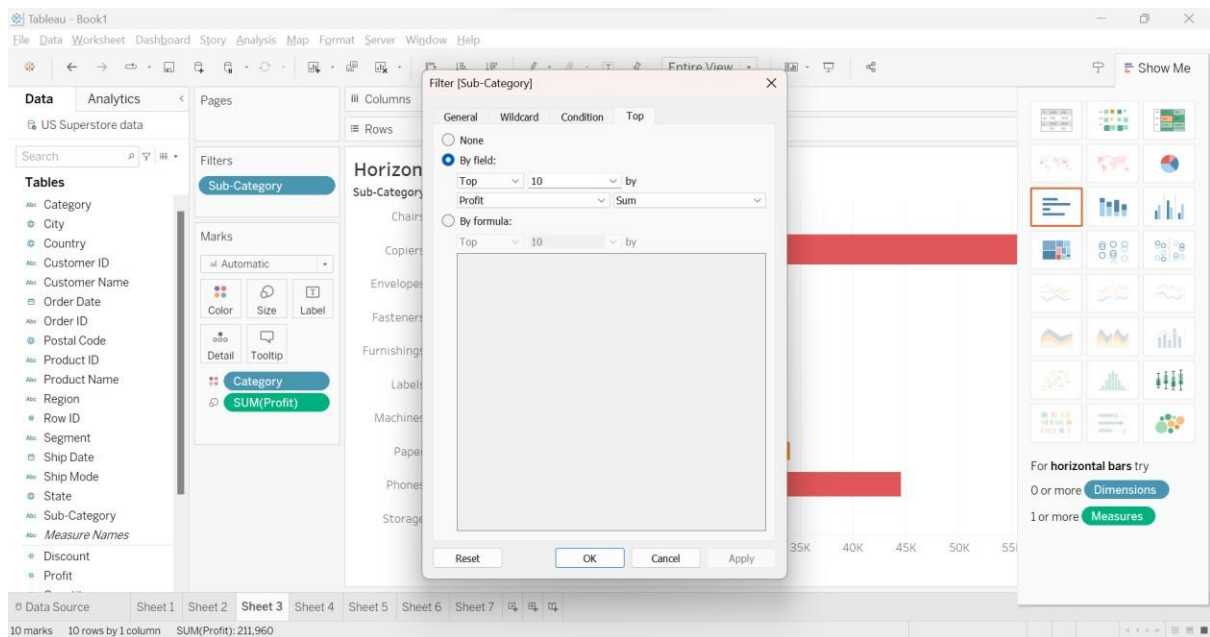


Filter: -

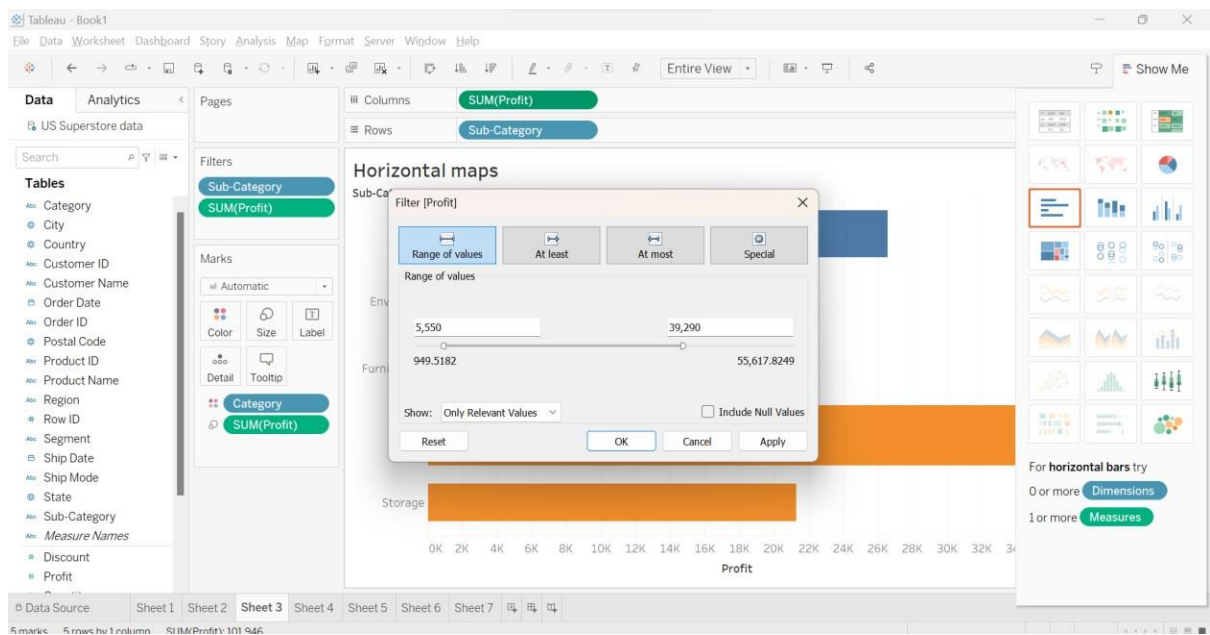
Dimension filter: -



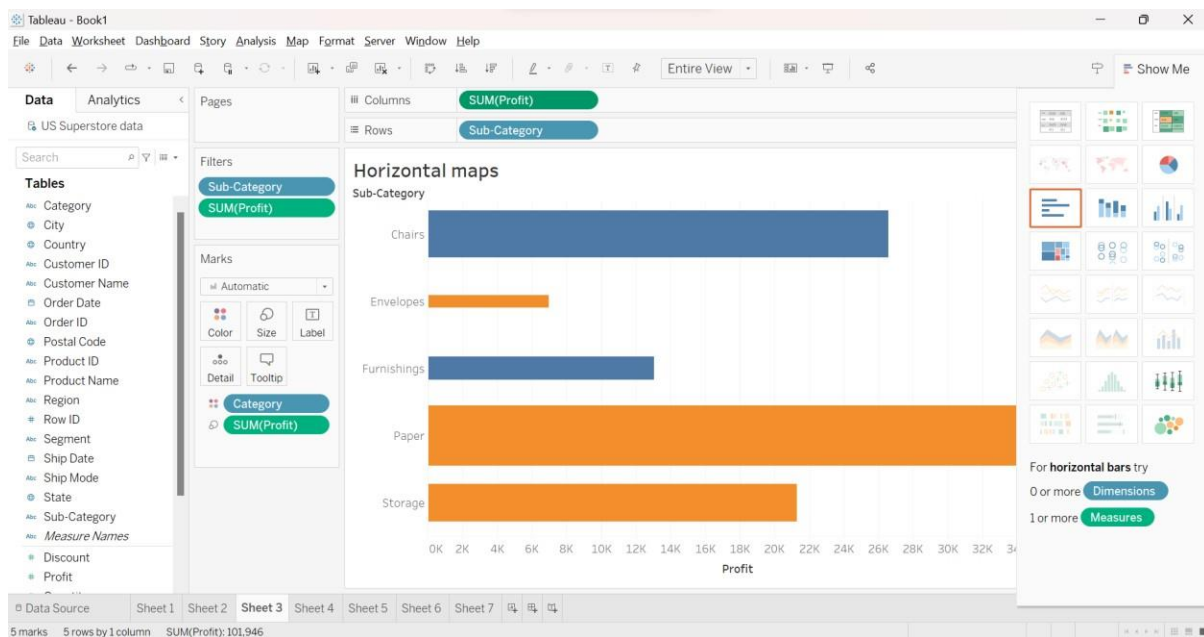
Context filter: -



Measure filter: -



After filter: -

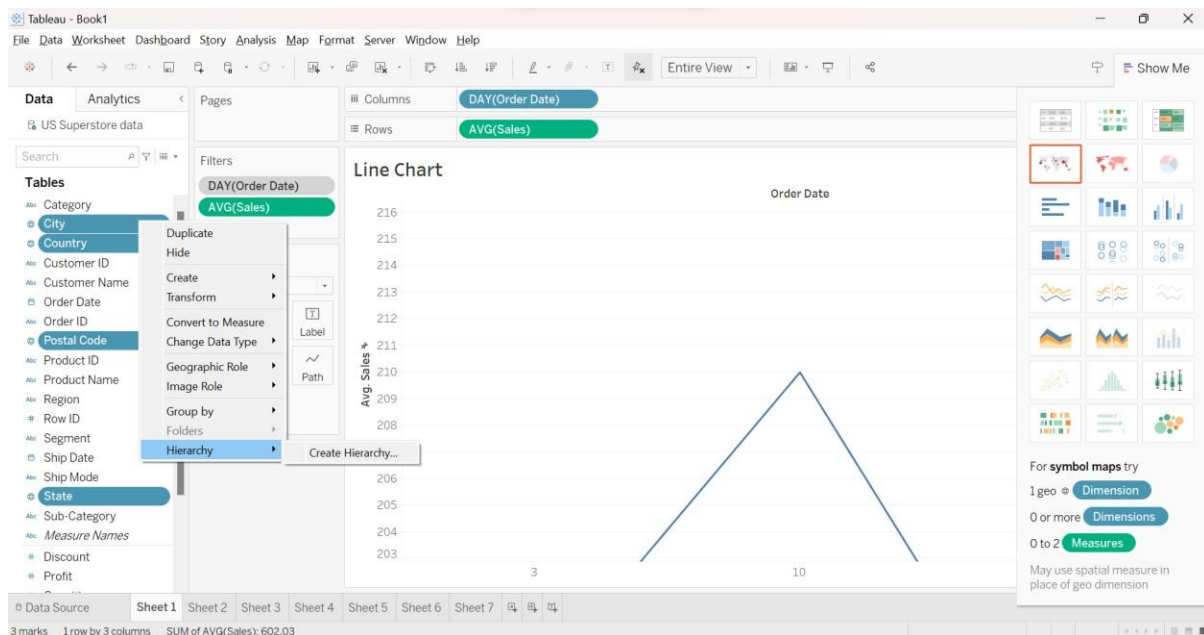


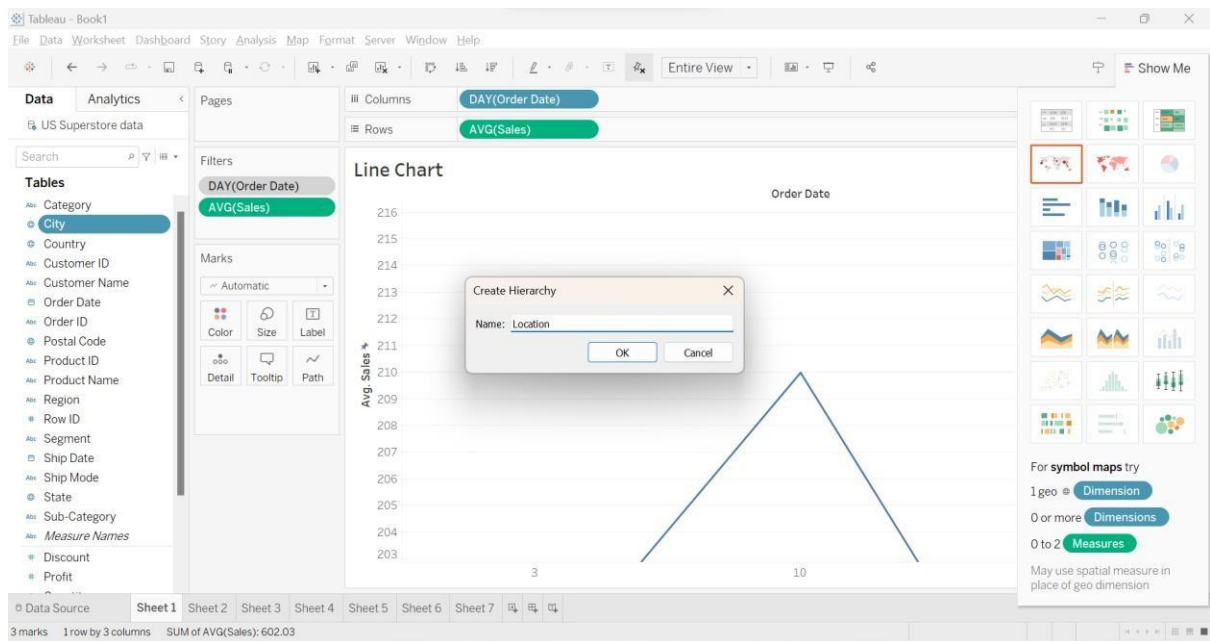
3) Perform the following data manipulations on your dataset

- create a Hierarchy
- create a set
- create a group

Screenshots: -

Create Hierarchy: -





Hierarchy: -

- ▼ Location
 - ⊕ Country
 - ⊕ **State**
 - ⊕ Postal Code
 - ⊕ City

Create a set: -

The screenshot shows the Tableau Desktop interface. The 'Data' pane on the left lists various fields, including 'Sub-Category'. A right-click context menu is open over 'Sub-Category', with the 'Create' option selected. This opens a sub-menu where 'Set...' is highlighted. The background shows a 'Line Chart' visualization of 'Avg. Sales' over time, with a data table on the right.

Tableau - Book1

File Data Worksheet Dashboard Story Analysis Map Format Server Window

Data Analytics Pages Columns Rows

US Superstore data

Search

Tables

- Category
- Customer
- Customer
- Location
 - Country
 - State
 - Postal C
 - City
- Order Date
- Order ID
- Product ID
- Product N
- Region
- Row ID
- Segment
- Ship Date
- Ship Mode
- Sub-Category**
- Measure Names
- Discount

Add to Sheet

- Show Filter
- Duplicate
- Rename
- Hide
- Aliases...
- Create**
 - Calculated Field...
 - Group...
 - Set...**
 - Parameter...
- Transform
- Convert to Measure
- Change Data Type
- Default Properties
- Geographic Role
- Image Role
- Group by
- Folders
- Hierarchy
- Replace References...
- Describe...

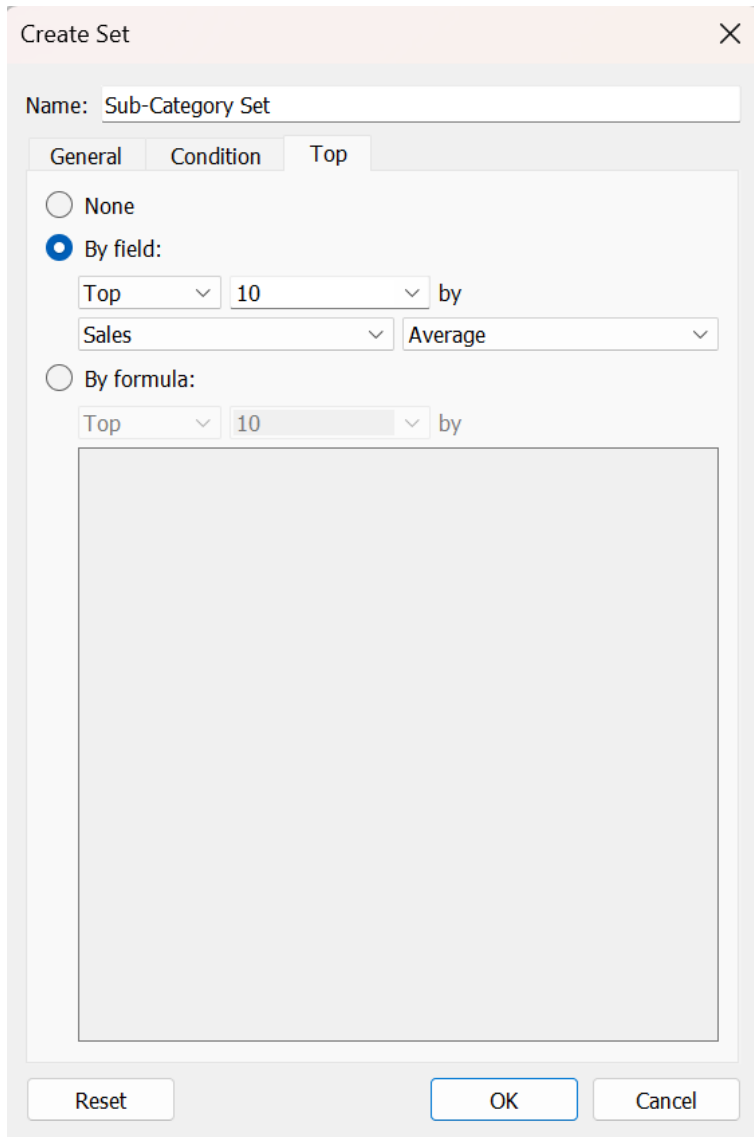
Line Chart

Avg. Sales

Order Date	Avg. Sales
2016-01-01	216
2016-01-02	215
2016-01-03	214
2016-01-04	213
2016-01-05	212
2016-01-06	211
2016-01-07	210
2016-01-08	209
2016-01-09	208
2016-01-10	207
2016-01-11	206
2016-01-12	205
2016-01-13	204
2016-01-14	203

3 marks 1 row by 3 columns SUM of AVG(Sales): 602.03

Create set :-



The 'Create Set' dialog box is shown with the title bar 'Create Set' and a close button. The 'Name' field contains 'Sub-Category Set'. There are three tabs: 'General', 'Condition', and 'Top'. The 'General' tab is active. It contains two radio buttons: 'None' and 'By field:'. The 'By field:' radio button is selected. Below it, there are two rows of dropdown menus. The first row has 'Top' in the first dropdown, '10' in the second, and 'by' in the third. The second row has 'Sales' in the first dropdown and 'Average' in the second. Below these is another radio button 'By formula:'. Below it, there are two dropdown menus: 'Top' and '10', followed by 'by'. At the bottom of the dialog are three buttons: 'Reset', 'OK', and 'Cancel'.

Create Set

Name: Sub-Category Set

General Condition Top

☐ None

☒ By field:

Top 10 by

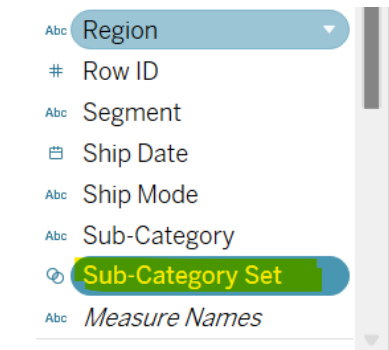
Sales Average

☐ By formula:

Top 10 by

Reset OK Cancel

Set created: -



A list of fields is shown. The first field is 'Region' with a blue background and a dropdown arrow. The second field is 'Row ID' with a blue background. The third field is 'Segment' with a blue background. The fourth field is 'Ship Date' with a blue background. The fifth field is 'Ship Mode' with a blue background. The sixth field is 'Sub-Category' with a blue background. The seventh field is 'Sub-Category Set' with a green background and a blue icon. The eighth field is 'Measure Names' with a blue background. The list is scrollable.

Region

Row ID

Segment

Ship Date

Ship Mode

Sub-Category

Sub-Category Set

Measure Names

Create a group:-

The screenshot shows the Tableau Desktop interface. The 'Data' pane on the left lists various fields under 'Tables'. The 'Columns' shelf contains 'DAY(Order Date)' and the 'Rows' shelf contains 'AVG(Sales)'. A line chart is displayed on the right. The 'Create' context menu is open over the 'Sub-Category' field, with 'Group...' selected. The 'Group by' option is also visible in the menu.

Tableau - Book1

File Data Worksheet Dashboard Story Analysis Map Format Server Window Help

Data Analytics Pages Columns DAY(Order Date) Rows AVG(Sales)

US Superstore data

Search

Tables

- Category
- Customer ID
- Customer Name
- Location
 - Country
 - State
 - Postal Code
 - City
- Order Date
- Order ID
- Product ID
- Product Name
- Region
- Row ID
- Segment
- Ship Date
- Ship Mode
- Sub-Category
- Sub-Category Set
- Measure Names

Add to Sheet

- Show Filter
- Duplicate
- Rename
- Hide
- Aliases...
- Create**
 - Calculated Field...
 - Group...**
 - Set...
 - Parameter...
- Transform
 - Convert to Measure
 - Change Data Type
 - Default Properties
- Geographic Role
- Image Role
- Group by
- Folders
- Hierarchy
- Replace References...
- Describe...

Line Chart

Path	Avg. Sale
	210
	209
	208
	207
	206
	205
	204
	203

3

Data Source Sheet 1 Sheet 2 Sheet 3 Sheet 4 Sheet 5 Sheet 6 Sheet 7

3 marks 1 row by 3 columns SUM of AVG(Sales): 602.03

Create group : -

Field Name: Sub-Category (group)

Groups: Add to: ▼

- Appliances
- Art
- Binders
- Bookcases
- Chairs
- Copiers
- Envelopes
- Fasteners
- Furnishings
- Labels
- Machines

☒ Show Add Location

☐ Include 'Other'

Group created:-

- Abc Ship Mode
- Abc Sub-Category
- @ **Sub-Category (group)**
- 🔗 Sub-Category Set
- Abc Measure Names